

ABSTRACT OF THE DISCLOSURE

Signal output of an X-ray-electric conversion layer prevents
5 instability of operation due to variation of a threshold voltage
of TFT mounted to read a signal.

Pixel electrodes 17 are arranged in an array on the X-ray-electric
conversion layer. Variation of the threshold voltage (V_{th}) is
suppressed by applying in compensatory manner a voltage pulse
10 for switch-off having a polarity opposite to an average polarity
of a voltage for switch-on at operating period to the gate
electrode of a field effect type TFT for pixel switching connected
to each pixel electrode to read a signal.